

REQUEST

The undersigned requests that the present

For received Office use only	
International Application No. 3 3 JUN 2004	
International Filing Date	
Name of receiving Office and "PCT International Application	,

international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office	Name of receiving Office and "PCT International Application"				
according to the I stell coopsision I I was	Applicant's or agent's i (if desired) (12 characte	file reference ars maximum) 3220-72178				
iox No. I TITLE OF INVENTION BIOMATERIAL DERIVED FROM VERTEBE	RATE LIVER TISSUE					
Box No. II APPLICANT This p	person is also inventor	. "				
lame and address: (Family name followed by given name; for a leg the address must include postal code and name of country. The count fox is the applicant's State (that is, country) of residence if no State of re	gal entity, full official designation. try of the address indicated in this esidence is indicated below.)	Telephone No. (765) 494-2610 Facsimile No.				
PURDUE RESEARCH FOUNDATION 1291 Cumberland Avenue West Lafayette, IN 47906		(765) 496-1277 Teleprinter No.				
US		Applicant's registration No. with the Office				
State (that is, country) of nationality:	State (that is, country, US					
at the state of th	signated States except nited States of America	the United States of America only the States indicated in the Supplemental Box				
Box No. III FURTHER APPLICANT(S) AND/OR (F	FURTHER) INVENTOR(S)					
Name and address: (Family name followed by given name; for a le The address must include postal code and name of country. The cour Box is the applicant's State (that is, country) of residence if no State of	egal entity, full official designation. ntry of the address indicated in this residence is indicated below.)	This person is: applicant only				
BADYLAK, Stephen Francis 1150 Kingswood Road South West Lafayette, IN 47906		applicant and inventor inventor only (If this check-box is marked, do not fill in below.)				
US		Applicant's registration No. with the Office				
State (that is, country) of nationality:	State (that is, country					
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Further applicants and/or (further) inventors are indi	icated on a continuation sheet	•				
Box No. IV AGENT OR COMMON REPRESENTA						
The person identified below is hereby/has been appointed of the applicant(s) before the competent International Aut	to act on behalf thorities as:	agent common representative				
Name and address: (Family name followed by given name; for a The address must include postal code and no	leval entity, full official designation	Telephone No. (317) 236-1313				
LAMMMERT, Steven R.		Facsimile No. (317) 231-7433				
BARNES & THORNBURG 11 South Meridian Street Indianapolis, IN 46204		Teleprinter No.				
US		Agent's registration No. with the Office 27653				
Address for correspondence: Mark this check-bo	x where no agent or common	representative is/has been appointed and the				
Address for correspondence: Mark this check-bo space above is used instead to indicate a special ad	dress to which correspondence	e should be sein.				

Sheet No.	2
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Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FOR HEA) INVESTIGATION						
If none of the following sub-boxes is used, this sheet should not be included in the	request.					
Name and address: (Family name followed by given name; for a legal entity, full official designation the address must include position common edition. The country of the address indicated in it has to the applicant's State (Part is, country) of estimates of residence is indicated below!) RODENBERG, Eric James 3426 Cheswick Court, Apt. B-4 West Lafayette, IN 47906 US	in this person is: applicant only					
State (that is, country) of nationality.	ntry) of residence:					
US This person is applicant all designated all designated States except the United States of America	the United States of America only the States indicated in the Supplemental Box					
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This person is applicant for the purposes of: all designated States except the United States of America	the United States of America only the States indicated in the Supplemental Box					
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State (that is, country) of nationality.	country) of residence:					
This person is applicant all designated all designated States except the United States of America	the United States of America only the States indicated in the Supplemental Box					
Further applicants and/or (further) inventors are indicated on another contin	nuation sheet.					

Mark the applicable check-boxes below; at least one must be marked.

Во	x N	io. V	DESIGNATION OF STATES		IVILLI	k inc approximation		-	
The following designations are hereby made under Rule 4.9(a):									
The following designations are networn made, and the Regional Patent Regional Patent AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, AP ARIPO Patent: GH Ghana, CM Laired Penyablic of Tayzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other									
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Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (Including fees) must reach the receiving Office within the 15-month time limit.)

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	s	heet No4		
Box No. VI PRIORITY				
The priority of the following	earlier application(s) is here			
Filing date of earlier application (day/month/year)	Number of earlier application	national application: country or Member of WTO	vhere earlier application regional application:* regional Office	international application: receiving Office
item (1) 11 January 2002 (11.01.02)	60/347,541	us		-
item (2)		8		
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if the earlier application we above as: X all items X item * Where the earlier application we above as:	nucsted to prepare and transm as filed with the Office which fi n (1) item (2) [ation is an ARIPO application Member of the World Trade	item (3) item	m (4) item (5) try party to the Paris Cor a earlier application was	other, see Supplemental Box evention for the Protection of filed (Rule 4.10(b)(ii)):
Box No. VII INTERN	ATIONAL SEARCHING A	UTHORITY		
Choice of International international search, indicates	Searching Authority (ISA) are the Authority chosen; the	(if two or more Internationa two-letter code may be used to that search (if an earlie		are competent to carry out the d out by or requested from the
Box No. VIII DECLA	RATIONS			
The following declarati check-boxes below and is	ons are contained in Boxes h	Nos. VIII (i) to (v) (mark ti number of each type of dec	ne applicable claration):	Number of declarations
Box No. VIII (i)	Declaration as to the id	lentity of the inventor		:
Box No. VIII (ii)	Declaration as to the a date, to apply for and	applicant's entitlement, as a be granted a patent	at the international filing	. 1

Declaration as to the applicant's entitlement, as at the international filing

Declaration of inventorship (only for the purposes of the designation of the United States of America) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty :

date, to claim the priority of the earlier application

Box No. VIII (iii)

Box No. VIII (v)

Sheet No. . . 5

Box No. VIII (ii) DECLARATION: ENTITLEMENT TO APPLY FOR AND BE GRANTED A PATENT.

The declaration must conform to the standardized wording provided for in Section 212; see Notes to Boxes Nos. VIII. (i) to (v) (in general) and the specific Notes to Box No. VIII (ii). If this Box is not used, this sheet should not be included in the request.

Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51b/s.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate:

in relation to this international application,

PURDUE RESEARCH FOUNDATION is entitled to apply for and be granted a patent by virtue of the following:

an assignment from BADYLAK, Stephen Francis and RODENBERG, Eric James to PURDUE RESEARCH FOUNDATION dated 03 January 2003 (03.01.03) and 08 January 2003 (08.01.03), respectively.

This declaration is made for the purposes of all designations, except the designation of the United States of America.

This declaration is continued on the following sheet, "Continuation of Box No. VIII (ii)".

Sheet No. ... 6.

Box No. VIII (iii) DECLARATION: ENTITLEMENT TO CLAIM PRIORITY

The declaration must conform to the standardized wording provided for in Section 213; see Notes to Baxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Bax No. VIII (ii). If this Bax is not used, this sheet should not be included in the request.

Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application specified below, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51 bis.1(a)(iii)):

in relation to this international application,

PURDUE RESEARCH FOUNDATION is entitled to claim priority of earlier application

no. 60/347,541

by virtue of the following:

an assignment from BADYLAK, Stephen Francis and RODENBERG, Eric James to PURDUE RESEARCH FOUNDATION dated 03 January 2003 (03.01.03) and 08 January 2003 (08.01.03), respectively.

This declaration is made for the purposes of all designations, except the designation of the United States of America.

☐ This declaration is continued on the following sheet, "Continuation of Box No. VIII (iii)".

Form PCT/RO/101 (declaration sheet (iii)) (March 2001; reprint January 2003)

See Notes to the request form

	Sheet No	
Box No. IX CHECK LIST; LANGUAGE O		
Box No. IX CHECK LIST; LANGBUAGE (in) in paper form, the following number of sheets: (a) in paper form, the following number of sheets: (a) in paper form, the following number of sheets: (a) in paper form, the following number of sheets: (b) case of the following sequence listings and/or tables related thereto) (c) claims (d) claims (d) claim under of sheets (c) below) (c) claim of paper form, whether or not also flied in computer readable form, whether or not also flied in computer readable form (c) claims (c) claims (d) claims (d) claims (d	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column in number of each item):	e : or : al :
Figure of the drawings which should accompany the abstract: Box No. X SIGNATURE OF APPLICAN	Language of filing of the international application: English (EN) NT, AGENT OR COMMON REPRESENTATIVE NT, AGENT OR COMMON REPRESENTATIVE	or the reque
Next to each signature. Indicate the name of the person so	Boll of compactly in which the person signs (if such capacity is not obvious from reading the capacity is not obvious f	
Date of actual receipt of the purported international application: Corrected date of actual receipt due to late timely received papers or drawings comple the purported international application:	2. Dra	wings: eceived:
4. Date of timely receipt of the required	n	ot receive

Date of timely receipt of the required corrections under PCT Article 11(2):	- 100	not received:
5. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid	
For Intern	ational Bureau use only	
Date of receipt of the record copy by the International Bureau:		